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# NEVADA 1964 ANNUAL REPORT

AGRICULTURAL CONSERVATION AND OTHER A. S. C. S. PROGRAMS

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A. C. P. PRACTICE C-12(A)

UNITED STATES DEPARTMENT OF AGRICULTURE  
AGRICULTURAL STABILIZATION AND CONSERVATION SERVICE  
NEVADA STATE OFFICE .. 1479 SOUTH WELLS AVENUE .. RENO, NEVADA







COVER PAGE

The picture on the cover of this 1964 Annual Statistical Report shows a Parshall flume constructed under practice C-12(A) of the Agricultural Conservation Program by Wallace Munk, Vice-chairman of the Pershing ASC County Committee. Mr. Munk's farm is located in the Big Meadow area of Pershing County.

The Parshall flume has a 30" wide throat with a 24" depth. A recorder capable of measuring up to 22 cubic feet of water per second is situated within the structure.

This practice was planned by Mr. Munk in cooperation with the Big Meadow Soil Conservation District and the costs of the practice were shared with the Pershing ASC County Committee.

Photograph by Richard MacDougall of the Soil Conservation Service.



## FOREWORD

Each year the Nevada ASC State Committee publishes a summary of ASCS farm program activity in Nevada. This summary is published for the benefit of all individuals and organizations interested in the advancement of agriculture. Statistical data and narratives on all active ASCS programs including ACP practice summaries, emergency conservation measures, county summaries, wool payment program, price support, cotton program, sugarbeet program, feed grain program and the voluntary wheat program are found in this 1964 Annual Statistical Report.

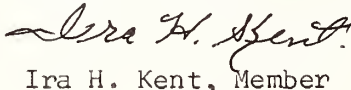
An appraisal of this report will show the impact the Agricultural Stabilization and Conservation Service has on Nevada agriculture. Through the administration of these programs, many agricultural objectives are realized. One is the contribution to the conservation of soil and water which has a beneficial effect on not only the future of Nevada agriculture, but on the future of our nation.

The State committee recognizes and takes this occasion to pay tribute to the Nevada county committeemen who have made possible the efficient administration of these agricultural programs.

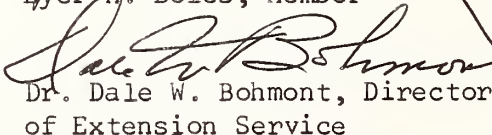
The Farmer Committee System is a unique and integral part of our organization which serves not only farmers and farm families, but all the people of our nation. We wish to acknowledge here all the cooperating agencies including the Extension Service, Soil Conservation Service, Farmers Home Administration, State Department of Agriculture, and Forest Service for their support and assistance.

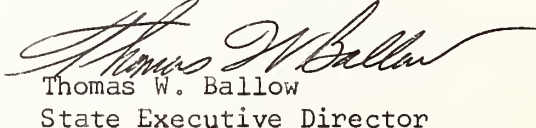
### THE NEVADA ASC STATE COMMITTEE

  
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## TABLE OF CONTENTS

Table		Page
SECTION I - 1964 AGRICULTURAL CONSERVATION PROGRAM		
<u>STATE SUMMARIES</u>		
1	State Summary of Farm Data . . . . .	1-2
2	State Summary of Payments made for Performing Conservation Practices . . . . .	3
3	State Summary of Payees . . . . .	4
4	State Summary of Pooling Agreements Performed, Number of Participating Farms, and Payments Made . . . .	5
5	State Summary of Conservation Practices Carried Out . .	6
6	State Summary of ACP Technical Services . . . . .	7
<u>ACP PRACTICE SUMMARIES</u>		
7	Practice A-2 - Establishment of a Permanent Vegetative Cover for Soil Protection or as a Needed Land-Use Adjustment . . . . .	8
8	Practice A-4 - Treatment of Farmland to Permit the Use of Legumes and Grasses for Soil Improve- ment and Protection . . . . .	8
9	Practice A-7 - Establishment of a Stand of Trees or Shrubs on Farmland for Purposes other than the Prevention of Wind or Water Erosion . . . . .	9
10	Practice A-8 (a) - Establishment of a Stand of Trees or Shrubs on Farmland to Prevent Wind or Water Erosion .	9
11	Practice A-8 (b) - Establishment of a Stand of Trees or Shrubs on Farmland to Prevent Wind or Water Erosion .	9
12	Practice B-1 - Improvement of an Established Vegetative Cover for Soil or Watershed Protection . . . . .	10
13	Practice B-2 - Improvement of Vegetative Cover on Range- land by Artificial Reseeding for Soil Protection . . . .	10
14	Practice B-3 - Controlling Competitive Shrubs to Permit Growth of Adequate Desirable Vegetative Cover for Soil Protection on Range or Pasture Land . . . . .	11

## SECTION I - Continued

Table		Page
15	Practice B-5(a) - Constructing Wells for Livestock Water as a Means of Protecting Vegetative Cover or to Make Practicable the Utilization of the Land for Vegetative Cover .....	11
16	Practice B-5(b) - Constructing Wells for Livestock Water as a Means of Protecting Vegetative Cover or to Make Practicable the Utilization of the Land for Vegetative Cover .....	12
17	Practice B-7 - Constructing or Sealing Dams, Pits or Ponds for Livestock Water as a Means of Protecting Established Vegetative Cover or to Make Practicable the Utilization of the Land for Vegetative Cover .....	12
18	Practice B-8 - Installing Pipelines and Supplemental Water Storage for Livestock Water as a Means of Protecting Vegetative Cover or to Make Practicable the Utilization of the Land for Vegetative Cover .....	12
19	Practice B-9 - Constructing Permanent Fences as a Means of Protecting Vegetative Cover .....	13
20	Practice C-8 - Streambank or Shore Protection, Channel Clearance, Enlargement or Realignment, or Construction of Floodways, Levees, or Dikes, to Prevent Erosion of Flood Damage to Farmland .....	13
21	Practice C-8P - Streambank or Shore Protection, Channel Clearance, Enlargement or Realignment, or Construction of Floodways, Levees, or Dikes, to Prevent Erosion of Flood Damage to Farmland POOLING AGREEMENT .....	14
22	Practice C-9 - Constructing Permanent Open Drainage Systems to Dispose of Excess Water .....	14
23	Practice C-9P - Constructing Permanent Open Drainage Systems to Dispose of Excess Water POOLING AGREEMENT .....	15
24	Practice C-10 - Installing Underground Drainage Systems to Dispose of Excess Water .....	15
25	Practice C-12(A) - Reorganizing Farm Irrigation Systems to Conserve Water and Prevent Erosion .....	16
26	Practice C-12P - Reorganizing Farm Irrigation Systems to Conserve Water and Prevent Erosion POOLING AGREEMENT .....	16

# SECTION I - Continued

Table		Page
27	Practice C-13 - Leveling Land for More Efficient Use of Irrigation Water and to Prevent Erosion .....	17
28	Practice C-14 - Constructing or Lining Dams, Pits, or Ponds for Irrigation Water .....	17
29	Practice C-15(a) - Lining Irrigation Ditches to Prevent Erosion and Loss of Water by Seepage .....	18
30	Practice C-15P - Lining Irrigation Ditches to Prevent Erosion and Loss of Water by Seepage POOLING AGREEMENT .....	18
31	Practice C-15(b) - Lining Irrigation Ditches to Prevent Erosion and Loss of Water Seepage .....	19
32	Practice C-15P - Lining Irrigation Ditches to Prevent Erosion and Loss of Water by Seepage POOLING AGREEMENT .....	19
33	Practice C-16 - Constructing Spreader Ditches or Dikes to Divert and Spread Water to Prevent Erosion, to Permit Beneficial Use of Runoff, or to Replenish Ground Water Supply .....	20
34	Practice C-17 - Subsoiling to Improve Water Penetration and Retard Runoff to Control Erosion .....	20
35	Practice F-2(A) - Control of Noxious Weeds .....	20
36	ACP in Watershed Development .....	21
<u>COUNTY SUMMARIES</u>		
37	Churchill County .....	22
38	Clark County .....	23
39	Douglas County .....	24
40	Elko County .....	25
41	Esmeralda County .....	26
42	Eureka County .....	27
43	Humboldt County .....	28
44	Lander County .....	29

## SECTION I - Continued

Table		Page
45	Lincoln County .....	30
46	Lyon County .....	31
47	Mineral County .....	32
48	Nye County .....	33
49	Ormsby County .....	34
50	Pershing County .....	35
51	Storey County .....	36
52	Washoe County .....	37
53	White Pine County .....	38
	SECTION II - 1964 EMERGENCY CONSERVATION PROGRAM .....	39
54	Practice F-4(B-2) - Restoration of Vegetative Cover on Rangeland Damaged by Fire .....	40
55	Practice F-4(B-9) - Restoration of Permanent Fence Damaged by Fire .....	40
	SECTION III - 1964 WOOL INCENTIVE PAYMENT PROGRAM .....	41
56	Shorn Wool Program for 1964 Marketing Year .....	42
57	Unshorn Lamb Program for 1964 Marketing Year .....	43
	SECTION IV - 1964 PRICE SUPPORT AND FARM STORAGE FACILITY LOANS .....	44
	SECTION V - 1964 COTTON ALLOTMENTS AND MARKETING QUOTAS .....	45
60	Domestic Allotment Program .....	46
61	Export Market Acreage Program .....	47
62	SECTION VI - 1964 SUGARBEET PROGRAM .....	48
63	Beets Marketed, Recoverable Sugar Bonafide Abandonment .....	49
64	Total Sugar for Payment and Payments .....	49

Table		Page
	SECTION VII - 1964 FEED GRAIN PROGRAM .....	50
65	Diversion Data .....	51
66	Price Support Payment Data .....	51
	SECTION VIII - 1964 VOLUNTARY WHEAT PROGRAM .....	52
67	Participation and Diverted Acreage Data .....	53
68	Farms Earning Certificates and Amount Earned .....	53
	SECTION IX - ACREAGE DETERMINATIONS .....	54
69	Compliance .....	54
	Aerial Photography .....	54
	SECTION X - 1964 LIVESTOCK FEED PROGRAM .....	55



## SECTION I

### 1964 AGRICULTURAL CONSERVATION PROGRAM

The Agricultural Conservation Program is designed to play an important part in encouraging farmers and ranchers of the United States to carry out soil and water conservation practices. For some years now, Nevada's farm and ranch owners have contributed to the nation's agricultural conservation by utilizing all of the State allocation set aside under the National ACP for their use. Through this government-farmer partnership in conservation, Nevada farmers have constructed ditch linings for maximum water conservation, reorganized irrigation systems, leveled cropland, and improved rangelands by reseeding. Nevada has a wide variety of ranch and farm operations and all of them are able to benefit from ACP. Cattlemen benefit by cost-sharing on range seedings, sheepmen may drill livestock wells for better distribution of range stock, row-crop farmers may level fields for better utilization of water.

Not only ranchers and farmers benefit by this conservation partnership, all of America gains through the conservation of soil and water for future generations.

The practices offered in this State were developed and approved by the Soil Conservation Service, U. S. Forest Service, Farmers Home Administration, Nevada State Department of Agriculture, and the Nevada ASC State Committee within the general provisions of the National Bulletin. The program offered in each county of the State was developed and approved by USDA agencies in the county. The program is flexible so each county group has the opportunity of developing one or more county practices to meet local soil and water conservation practices. One of these was to provide cost-sharing for the control of perennial noxious weeds which was causing local soil and water conservation problems.

The following pages show statistical data on program accomplishments in Nevada during 1964. Statistics are summarized by State, county, and practice.

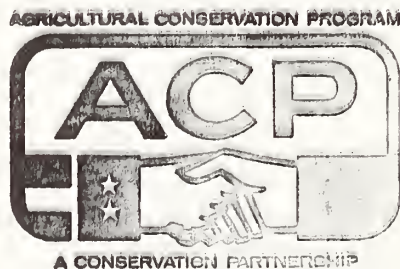


Table 1

## STATE SUMMARY OF FARM DATA

COUNTY	CROPLAND ACREAGE			NON-CROP PASTURE AND RANGE ACREAGE		
	PARTICI- PATING FARMS	NON PARTICI- PATING FARMS	ALL FARMS	PARTICI- PATING FARMS	NON PARTICI- PATING FARMS	ALL FARMS
CHURCHILL	10,143	53,517	63,660	6,736	23,882	30,618
CLARK	2,780	6,790	9,570	550	8,224	8,774
DOUGLAS	9,703	12,354	22,057	27,554	165,357	192,911
ELKO	69,116	144,116	213,232	664,765	1,763,932	2,428,697
ESMERALDA	929	2,870	3,799	5,095	15,000	20,095
EUREKA	2,472	27,368	29,840	2,349	281,805	284,154
HUMBOLDT	38,743	95,002	133,745	204,127	521,814	725,941
LANDER	7,948	21,099	29,047	174,753	138,940	313,693
LINCOLN	3,068	7,763	10,831	6,011	35,080	41,091
LYON	22,902	27,852	50,754	48,306	55,994	104,300
MINERAL	607	1,212	1,819	81	316,665	316,746
NYE	5,722	26,894	32,616	15,924	78,229	94,153
ORMSBY	520	1,301	1,821	345	15,708	16,053
PERSHING	20,755	19,531	40,286	67,806	471,853	539,659
STOREY	153	422	575	262	5,161	5,423
WASHOE	5,815	28,062	33,877	70,196	556,957	627,153
WHITE PINE	6,629	29,888	36,517	20,798	112,998	133,796
TOTAL	208,005	506,041	714,046	1,315,658	4,567,599	5,883,257



Table 1

## STATE SUMMARY OF FARM DATA

COUNTY	NUMBER OF FARMS			FARM LAND ACREAGE		
	PARTICI- PATING FARMS	NON PARTICI- PATING FARMS	ALL FARMS	PARTICI- PATING FARMS	NON PARTICI- PATING FARMS	ALL FARMS
CHURCHILL	72	748	820	17,046	85,458	102,504
CLARK	46	129	175	4,353	19,100	23,453
DOUGLAS	44	75	119	37,997	179,492	217,489
ELKO	71	272	343	733,881	1,908,048	2,641,929
ESMERALDA	2	40	42	6,024	17,870	23,894
EUREKA	5	113	118	4,843	321,540	326,383
HUMBOLDT	46	170	216	242,870	616,816	859,686
LANDER	3	104	107	183,808	161,855	345,663
LINCOLN	32	126	158	9,111	43,001	52,112
LYON	106	292	398	74,238	90,166	164,404
MINERAL	20	73	93	806	318,194	319,000
NYE	10	160	170	21,646	105,123	126,769
ORMSBY	1	17	18	880	17,180	18,060
PERSHING	37	87	124	90,752	494,429	585,181
STOREY	2	10	12	424	5,633	6,057
WASHOE	37	321	358	76,664	735,800	812,464
WHITE PINE	22	113	135	27,551	143,619	171,170
TOTAL	556	2,850	3,406	1,532,894	5,263,324	6,796,218

Table 2

STATE SUMMARY OF  
PAYMENTS MADE FOR PERFORMING CONSERVATION PRACTICES

	NET ASSISTANCE BEFORE ADJUSTMENT FOR S.C.I.	AMOUNT OF ADJUSTMENT FOR SMALL COST-SHARE	GROSS ASSISTANCE TO FARMERS	GROSS ASSISTANCE AS PERCENT OF NET ASSISTANCE	AMOUNT USED FOR TECHNICAL AGREEMENTS	TOTAL GROSS ASSISTANCE
COUNTY	DOLLARS	DOLLARS	DOLLARS	PERCENT	DOLLARS	DOLLARS
CHURCHILL	60,810	161	60,971	100	2,960	63,931
CLARK	32,458	14	32,472	100	1,573	34,045
DOUGLAS	18,923	246	19,169	101	1,149	20,318
ELKO	75,645	108	75,753	100	3,750	79,503
ESMERALDA	2,912	-	2,912	100	193	3,105
EUREKA	9,642	14	9,656	100	547	10,203
HUMBOLDT	45,589	84	45,673	100	2,396	48,069
LANDER	3,733	-	3,733	100	637	4,370
LINCOLN	36,108	-	36,108	100	1,450	37,558
LYON	65,016	393	65,409	100	3,578	68,987
MINERAL	2,947	68	3,015	102	402	3,417
NYE	16,545	14	16,559	100	495	17,054
ORMSBY	1,328	-	1,328	100	104	1,432
PERSHING	38,476	67	38,543	100	2,037	40,580
STOREY	860	-	860	100	69	929
WASHOE	27,240	50	27,290	100	2,044	29,334
WHITE PINE	11,048	134	11,182	101	825	12,007
TOTAL	449,280	1,353	450,633		24,209	474,842

Table 3

## STATE SUMMARY OF PAYEES

COUNTY	PAYEES
CHURCHILL	68
CLARK	25
DOUGLAS	44
ELKO	71
ESMERALDA	2
EUREKA	5
HUMBOLDT	46
LANDER	3
LINCOLN	23
LYON	106
MINERAL	20
NYE	10
ORMSBY	1
PERSHING	40
STOREY	2
WASHOE	37
WHITE PINE	22
TOTAL	525

Table 4

STATE SUMMARY OF  
POOLING AGREEMENTS PERFORMED,  
NUMBER OF PARTICIPATING FARMS, AND PAYMENTS MADE

COUNTY	AGREEMENTS	NET FARMS IN AGREEMENT	ASSISTANCE
	NUMBER	NUMBER	DOLLARS
CHURCHILL	1	5	2,500
CLARK	4	32	10,635
LINCOLN	4	16	13,527
LYON	5	23	1,987
MINERAL	1	17	1,209
WASHOE	1	13	3,459
TOTAL	16	106	33,317

Table 5 STATE SUMMARY OF CONSERVATION PRACTICES CARRIED OUT

Report No.	Practice Name	Counties (No.)	Farms (No.)	Extent	Number of Units	Amount (Dols.)	Average Per Unit (Dols.)	Portion of Total (Percent)
A-2	Perm cover:erosn cntrl & land-use adj	8	39	Acres	1,950	12,335	6.33	2.63
A-4	Gypsum or sulfur	6	9	Acres	334	5,262	11.99	1.12
A-7	Tree planting-forestry	1	1	Acre	5	240	48.00	.05
A-8(a)	Tree planting-erosion control	1	1	Acre	.2	8	40.00	.00
A-8(b)	Tree planting-fencing planned area	2	2	Rods	340	646	1.90	.14
B-1	Improving estab. cover	1	2	Acres	39	280	7.18	.06
B-2	Improving estab. cover	4	32	Acres	13,642	18,864	1.38	4.03
B-3	Control of competitive shrubs	6	43	Acres	18,337	35,030	1.91	7.48
B-5(a)	Well for livestock water	3	8	Number	8	2,465	308.13	.53
B-5(b)	Stockwater tanks or troughs	2	7	Number	9	1,853	205.89	.40
B-7	Livestock reservoirs	2	2	Number	4	1,142	285.50	.24
B-8	Livestock reservoirs	1	1	Rods	6	138	23.00	.03
B-9	fencing to protect estab. forage	8	23	Rods	8,300	9,927	1.19	2.12
C-8	Stream or shore control	5	15	Project	16	10,864	679.00	2.32
C-8P	Stream or shore control	1	17	Project	1	547	547.00	.12
C-9	Drainage	4	7	Acres	513	2,375	4.63	.51
C-9P	Drainage	1	13	Acres	895	3,396	3.79	.73
C-10	Drainage	1	1	Acres	11	281	25.55	.06
C-12	Reorg. of irrig. system	14	200	Acres irrig.	65,171	92,946	1.43	19.85
C-12P	Reorg. of irrig. system	3	50	Acres irrig.	4,057	1,630	.40	.35
C-13	Leveling-irrigation	17	199	Acres	5,955	144,350	24.24	30.83
C-14	Irrigation reservoirs	2	2	Number	2	497	248.50	.11
C-15	Lining irrig. ditches	6	38	Rods	3,673	57,607	15.77	12.31
C-15P	Lining irrig. ditches	4	56	Rods	1,526	26,418	17.31	5.64
C-15	Struct. in lined irrig. ditches	6	27	Number	469	4,638	11.24	.93
C-15P	Struct. in lined irrig. ditches	1	16	Number	134	1,326	9.90	.28
C-16	Spreaders	1	1	Linear feet	27,000	516	.02	.11
C-17	Regular subsoiling	6	25	Acres	1,856	9,278	5.00	1.98
F-2(A)	Control of noxious weeds	3	31	Acres treated	2,845	4,421	1.55	.94
F-4(b-2)	Restor of veg cover damaged by fire	2	6	Acres	16,794	16,932	1.01	3.62
F-4(b-9)	Restor of perm fence damaged by fire	1	2	Rods	1,060	1,955	1.84	.42
						<u>468,167</u>		<u>100.00</u>

Table 6

STATE SUMMARY OF  
ACP TECHNICAL SERVICES

The Agricultural Conservation Program helps provide technical services to ranchers and farmers in addition to sharing the cost of conservation work with them. Practices requiring the professional help of engineers, foresters, and range technicians are available in the State ACP Handbook. These technical services are paid for with ACP funds. Such technical services in Nevada are made available through referral agreements with the Soil Conservation Service. All practices requiring the professional technical services of engineers and range technicians are assigned to the Soil Conservation Service. These technical services are paid for with ACP funds and are made available through referral agreements with the Soil Conservation Service. The assistance for each technical type practice usually consists of (1) a determination of need and practicability, (2) the stakeout or layout work, (3) supervision of the installation of the practice, and (4) a final check and report of performance.

The amount of ACP funds spent in Nevada for technical services of the Soil Conservation Service and the number of practices referred to them in each county is listed below.

COUNTY	REGULAR ACP FUNDS USED FOR TECHNICAL SERVICES	REGULAR NUMBER OF PRACTICE REFERRALS	EMERGENCY ACP FUNDS USED FOR TECHNICAL SERVICES	EMERGENCY NUMBER OF PRACTICE REFERRALS
Churchill	2,960	129	-	-
Clark	1,573	22	-	-
Douglas	1,149	47	-	-
Elko *	3,750	43	-	-
Esmeralda	193	15	-	-
Eureka *	547	4	-	-
Humboldt	2,396	52	-	-
Lander	637	11	-	-
Lincoln	1,450	22	-	-
Lyon	3,578	208	-	-
Mineral	402	23	-	-
Nye	495	7	-	-
Ormsby	104	4	-	-
Pershing	2,037	44	-	-
Storey	69	4	-	-
Washoe	2,044	36	-	-
White Pine	825	19	-	-
TOTAL	24,209	690	-	-
* Emergency counties				



Table 7

ESTABLISHMENT OF A PERMANENT VEGETATIVE COVER  
FOR SOIL PROTECTION OR AS A NEEDED  
LAND-USE ADJUSTMENT  
A-2

COUNTY	EXTENT (ACRES)	AMOUNT FOR FERTILIZER (DOLLARS)	AMOUNT OF COST-SHARE (DOLLARS)	NUMBER OF FARMS
Churchill	90	17	786	4
Douglas	95	-	710	5
Elko	764	-	4,388	9
Humboldt	682	753	3,747	10
Mineral	1	-	45	1
Pershing	127	508	1,388	5
Washoe	179	115	1,216	4
White Pine	12	-	55	1
TOTAL	1,950	1,393	12,335	39

Table 8

TREATMENT OF FARMLAND TO PERMIT THE USE OF  
LEGUMES AND GRASSES FOR SOIL  
IMPROVEMENT AND PROTECTION  
A-4

COUNTY	EXTENT (ACRES)	AMOUNT FOR FERTILIZER (DOLLARS)	AMOUNT OF COST-SHARE (DOLLARS)	NUMBER OF FARMS
Churchill	12	270	270	1
Douglas	74	985	985	2
Lyon	176	2,267	2,267	3
Humboldt	10	202	202	1
Ormsby	19	357	357	1
Pershing	43	1,181	1,181	1
TOTAL	334	5,262	5,262	9



Table 9 ESTABLISHMENT OF A STAND OF TREES OR SHRUBS ON FARMLAND  
FOR PURPOSES OTHER THAN THE PREVENTION OF  
WIND OR WATER EROSION  
A-7

COUNTY	EXTENT (ACRES)	AMOUNT OF COST-SHARE (DOLLARS)	NUMBER OF FARMS
Washoe	5	240	1
TOTAL	5	240	1

Table 10 ESTABLISHMENT OF A STAND OF TREES OR SHRUBS ON FARMLAND  
TO PREVENT WIND OR WATER EROSION  
A-8(a)

COUNTY	EXTENT (ACRES)	AMOUNT OF COST-SHARE (DOLLARS)	NUMBER OF FARMS
Elko	.2	8	1
TOTAL	.2	8	1

Table 11 ESTABLISHMENT OF A STAND OF TREES OR SHRUBS ON FARMLAND TO  
PREVENT WIND OR WATER EROSION  
A-8(b)

COUNTY	EXTENT (RODS)	AMOUNT OF COST-SHARE (DOLLARS)	NUMBER OF FARMS
Elko	20	38	1
Washoe	320	608	1
TOTAL	340	646	2

Table 12 IMPROVEMENT OF AN ESTABLISHED VEGETATIVE COVER FOR  
SOIL OR WATERSHED PROTECTION

B-1

COUNTY	EXTENT (ACRES)	AMOUNT OF COST-SHARE (DOLLARS)	NUMBER OF FARMS
Elko	39	280	2
TOTAL	39	280	2

Table 13 IMPROVEMENT OF VEGETATIVE COVER ON RANGELAND BY  
ARTIFICIAL RESEEDING FOR SOIL PROTECTION

B-2

COUNTY	EXTENT (ACRES)	AMOUNT OF COST-SHARE (DOLLARS)	NUMBER OF FARMS
Elko	11,529	13,936	21
Eureka	40	129	1
Humboldt	1,859	4,522	8
White Pine	214	277	2
TOTAL	13,642	18,864	32

Table 14 CONTROLLING COMPETITIVE SHRUBS TO PERMIT GROWTH OF ADEQUATE  
DESIRABLE VEGETATIVE COVER FOR SOIL PROTECTION ON  
RANGE OR PASTURE LAND

B-3

COUNTY	EXTENT (ACRES)	AMOUNT OF COST-SHARE (DOLLARS)	NUMBER OF FARMS
Elko	14,357	25,099	26
Humboldt	2,617	5,197	11
Lander	405	834	1
Pershing	244	1,222	1
Washoe	500	1,850	2
White Pine	214	828	2
TOTAL	18,337	35,030	43

Table 15 CONSTRUCTING WELLS FOR LIVESTOCK WATER AS A MEANS OF  
PROTECTING VEGETATIVE COVER OR TO MAKE PRACTICABLE  
THE UTILIZATION OF THE LAND FOR VEGETATIVE COVER

B-5(a)

COUNTY	EXTENT (NUMBER)	AMOUNT OF COST-SHARE (DOLLARS)	NUMBER OF FARMS
Douglas	1	439	1
Elko	6	1,306	6
Washoe	1	720	1
TOTAL	8	2,465	8

Table 16

CONSTRUCTING WELLS FOR LIVESTOCK WATER AS A MEANS OF  
PROTECTING VEGETATIVE COVER OR TO MAKE PRACTICABLE  
THE UTILIZATION OF THE LAND FOR VEGETATIVE COVER  
B-5(b)

COUNTY	EXTENT (NUMBER)	AMOUNT OF COST-SHARE (DOLLARS)	NUMBER OF FARMS
Elko	8	759	6
Washoe	1	1,094	1
TOTAL	9	1,853	7

CONSTRUCTING OR SEALING DAMS, PITS OR PONDS FOR LIVESTOCK WATER AS A  
MEANS OF PROTECTING ESTABLISHED VEGETATIVE COVER OR TO MAKE  
PRACTICABLE THE UTILIZATION OF THE LAND FOR VEGETATIVE COVER

Table 17

B-7

COUNTY	EXTENT (NUMBER)	AMOUNT OF COST-SHARE (DOLLARS)	NUMBER OF FARMS
Lyon	1	300	1
Washoe	3	842	1
TOTAL	4	1,142	2

INSTALLING PIPELINES AND SUPPLEMENTAL WATER STORAGE FOR LIVESTOCK  
WATER AS A MEANS OF PROTECTING VEGETATIVE COVER OR TO MAKE

Table 18

PRACTICABLE THE UTILIZATION OF THE LAND FOR  
VEGETATIVE COVER

B-8

COUNTY	EXTENT (RODS)	AMOUNT OF COST-SHARE (DOLLARS)	NUMBER OF FARMS
Elko	6	138	1
TOTAL	6	138	1

Table 19

CONSTRUCTING PERMANENT FENCES AS A MEANS  
OF PROTECTING VEGETATIVE COVER

B-9

COUNTY	EXTENT (RODS)	AMOUNT OF COST-SHARE (DOLLARS)	NUMBER OF FARMS
Churchill	82	99	1
Elko	5,135	6,150	8
Humboldt	1,645	1,952	6
Lander	149	179	1
Lincoln	284	341	1
Lyon	409	491	2
Pershing	177	212	2
Washoe	419	503	2
TOTAL	8,300	9,927	23

STREAMBANK OR SHORE PROTECTION, CHANNEL CLEARANCE, ENLARGEMENT  
OR REALINEMENT, OR CONSTRUCTION OF FLOODWAYS, LEVEES,  
OR DIKES, TO PREVENT EROSION OF FLOOD DAMAGE TO FARMLAND

Table 20

C-8

COUNTY	EXTENT (PROJECT)	AMOUNT OF COST-SHARE (DOLLARS)	NUMBER OF FARMS
Douglas	1	431	1
Elko	7	3,642	6
Lincoln	1	1,000	1
Lyon	6	5,524	6
Washoe	1	267	1
TOTAL	16	10,864	15

STREAMBANK OR SHORE PROTECTION, CHANNEL CLEARANCE, ENLARGEMENT  
OR REALINEMENT, OR CONSTRUCTION OF FLOODWAYS, LEVEES,  
OR DIKES, TO PREVENT EROSION OF FLOOD DAMAGE TO FARMLAND

Table 21

POOLING AGREEMENT

C-8P

COUNTY	EXTENT (PROJECT)	AMOUNT OF COST-SHARE (DOLLARS)	AGREEMENT (NUMBER)	TOTAL FARMS IN AGREEMENT (NUMBER)
Mineral	1	547	1	17
TOTAL	1	547	1	17

Table 22

CONSTRUCTING PERMANENT OPEN DRAINAGE SYSTEMS TO  
DISPOSE OF EXCESS WATER

C-9

COUNTY	EXTENT (ACRES)	AMOUNT OF COST-SHARE (DOLLARS)	NUMBER OF FARMS
Churchill	158	318	2
Lyon	106	68	3
Washoe	27	312	1
White Pine	222	1,677	1
TOTAL	513	2,375	7



Table 23

CONSTRUCTING PERMANENT OPEN DRAINAGE SYSTEMS TO  
DISPOSE OF EXCESS WATER  
POOLING AGREEMENT  
C-9P

COUNTY	EXTENT (ACRES)	AMOUNT OF COST-SHARE (DOLLARS)	AGREEMENTS (NUMBER)	TOTAL FARMS IN AGREEMENT (NUMBER)
Washoe	895	3,396	1	13
TOTAL	895	3,396	1	13

Table 24

INSTALLING UNDERGROUND DRAINAGE SYSTEMS TO  
DISPOSE OF EXCESS WATER  
C-10

COUNTY	EXTENT (ACRES)	AMOUNT OF COST-SHARE (DOLLARS)	NUMBER OF FARMS
Douglas	11	281	1
TOTAL	11	281	1



Table 25

REORGANIZING FARM IRRIGATION SYSTEMS TO CONSERVE  
WATER AND PREVENT EROSION  
C-12(A)

COUNTY	EXTENT (ACRES IRRIGATED)	AMOUNT OF COST-SHARE (DOLLARS)	NUMBER OF FARMS
Churchill	4,526	4,652	23
Douglas	1,803	4,960	10
Elko	1,497	13,699	17
Eureka	160	2,500	1
Humboldt	14,809	16,807	22
Lander	130	220	1
Lyon	24,606	10,887	61
Mineral	127	669	5
Nye	5,361	13,201	7
Ormsby	400	101	1
Pershing	9,095	12,717	23
Storey	153	504	2
Washoe	1,347	9,705	14
White Pine	1,157	2,324	13
TOTAL	65,171	92,946	200

Table 26

REORGANIZING FARM IRRIGATION SYSTEMS TO CONSERVE  
WATER AND PREVENT EROSION  
POOLING AGREEMENT  
C-12P

COUNTY	EXTENT (ACRES IRRIGATED)	AMOUNT OF COST-SHARE (DOLLARS)	AGREEMENTS (NUMBER)	TOTAL FARMS IN AGREEMENT (NUMBER)
Lyon	3,686	905	4	20
Mineral	349	662	1	17
Washoe	22	63	1	13
TOTAL	4,057	1,630	6	50

Table 27 LEVELING LAND FOR MORE EFFICIENT USE OF IRRIGATION  
WATER AND TO PREVENT EROSION

C-13

COUNTY	EXTENT (ACRES)	AMOUNT OF COST-SHARE (DOLLARS)	NUMBER OF FARMS
Churchill	903	24,602	43
Clark	366	12,654	10
Douglas	273	7,038	15
Elko	372	5,686	11
Esmeralda	81	2,412	1
Eureka	265	7,013	3
Humboldt	535	10,698	10
Lander	152	2,500	1
Lincoln	38	1,395	3
Lyon	1,548	39,986	58
Mineral	61	1,024	5
Nye	6	92	1
Ormsby	37	870	1
Pershing	1,015	20,429	25
Storey	10	356	1
Washoe	175	4,208	4
White Pine	118	3,387	7
TOTAL	5,955	144,350	199

Table 28 CONSTRUCTING OR LINING DAMS, PITS, OR  
PONDS FOR IRRIGATION WATER

C-14

COUNTY	EXTENT (NUMBER)	AMOUNT OF COST-SHARE (DOLLARS)	NUMBER OF FARMS
Lyon	1	246	1
Washoe	1	251	1
TOTAL	2	497	2

Table 29

LINING IRRIGATION DITCHES TO PREVENT EROSION  
AND LOSS OF WATER BY SEEPAGE  
C-15(a)

COUNTY	EXTENT (RODS)	AMOUNT OF COST-SHARE (DOLLARS)	NUMBER OF FARMS
Churchill	1,115	24,251	16
Clark	657	9,169	4
Lincoln	1,559	18,181	14
Lyon	38	1,791	2
Washoe	127	1,765	1
White Pine	141	2,450	1
TOTAL	3,673	57,607	38

Table 30

LINING IRRIGATION DITCHES TO PREVENT EROSION  
AND LOSS OF WATER BY SEEPAGE  
POOLING AGREEMENT  
C-15P

COUNTY	EXTENT (RODS)	AMOUNT OF COST-SHARE (DOLLARS)	AGREEMENTS (NUMBER)	TOTAL FARM IN AGREEMENT (NUMBER)
Churchill	91	2,500	1	5
Clark	429	10,635	4	32
Lincoln	991	12,201	4	16
Lyon	15	1,082	1	3
TOTAL	1,526	26,418	10	56

Table 31

LINING IRRIGATION DITCHES TO PREVENT EROSION  
AND LOSS OF WATER BY SEEPAGE  
C-15(b)

COUNTY	EXTENT (NUMBER)	AMOUNT OF COST-SHARE (DOLLARS)	NUMBER OF FARMS
Churchill	123	2,059	11
Lincoln	288	1,664	12
Lyon	12	30	1
Pershing	1	635	1
Washoe	44	200	1
White Pine	1	50	1
TOTAL	469	4,638	27

Table 32

LINING IRRIGATION DITCHES TO PREVENT EROSION  
AND LOSS OF WATER BY SEEPAGE  
POOLING AGREEMENT  
C-15P

COUNTY	EXTENT (NUMBER)	AMOUNT OF COST-SHARE (DOLLARS)	AGREEMENTS (NUMBER)	TOTAL FARMS IN AGREEMENT (NUMBER)
Lincoln	134	1,326	4	16
TOTAL	134	1,326	4	16

Table 33 CONSTRUCTING SPREADER DITCHES OR DIKES TO DIVERT AND SPREAD  
WATER TO PREVENT EROSION, TO PERMIT BENEFICIAL USE  
OF RUNOFF, OR TO REPLENISH GROUND WATER SUPPLY

C-16

COUNTY	EXTENT (LINEAR FEET)	AMOUNT OF COST-SHARE (DOLLARS)	NUMBER OF FARMS
Elko	27,000	516	1
TOTAL	27,000	516	1

Table 34 SUBSOILING TO IMPROVE WATER PENETRATION AND RETARD  
RUNOFF TO CONTROL EROSION

C-17

COUNTY	EXTENT (ACRES)	AMOUNT OF COST-SHARE (DOLLARS)	NUMBER OF FARMS
Churchill	255	1,273	6
Douglas	95	474	4
Esmeralda	100	500	1
Humboldt	468	2,340	5
Lyon	288	1,439	7
Nye	650	3,252	2
TOTAL	1,856	9,278	25

Table 35 CONTROL OF NOXIOUS WEEDS  
F-2(A)

COUNTY	EXTENT (ACRES TREATED)	AMOUNT OF COST-SHARE (DOLLARS)	NUMBER OF FARMS
Douglas	2,816	3,605	27
Humboldt	7	124	1
Pershing	22	692	3
TOTAL	2,845	4,421	31

Table 36

## ACP IN WATERSHED DEVELOPMENT

The provisions of Public Law 566 provide that various Federal agencies will assist local watershed sponsors in planning and carrying out watershed projects. Local sponsors of these projects may be counties, cities, soil conservation districts, or irrigation companies. The projects are multiple-purpose in nature which includes flood control, water management and various other resource-use purposes.

Besides direct agricultural benefits to farmers in a watershed, these programs provide improved vocational facilities, improved clean water supplies and a reduction in expense and land damage from erosion and floods.

The cost-sharing available under the agricultural conservation program plays an important part in the completion of Nevada watershed projects.

NAME OF WATERSHED	COUNTY	TYPE	TOTAL FARMS	1964 PARTICI- PATING FARMS	1964 ACP COST- SHARE
Virgin Valley	Clark	Operations	68	34	\$22,516.20
Upper Meadow Valley	Lincoln	Operations	20	4	4,389.00
Bishop Creek	Elko	Planning	12	2	3,670.00
Bruneau River	Elko	Planning	7	2	2,973.00
Elko	Elko	Planning	4	2	1,245.00
Panaca	Lincoln	Planning	40	13	12,220.00
Lovelock	Pershing	Planning	100	39	37,844.00
TOTAL			251	96	\$84,857.20



Table 37

COUNTY SUMMARIESCHURCHILL COUNTY

	<u>Total All Farms</u>	<u>Partici- pating Farms</u>	<u>Part. Farms as Per Cent of Total</u>
Number of Farms	820	72	9
All Land in Farms	102,504	17,046	16
Cropland	63,660	10,143	16
Range and Pasture	30,618	6,736	22

No of	Net	Small Cost	Gross
Payees <u>68</u>	Assistance <u>\$60,810</u>	Increase <u>\$161</u>	Assistance <u>\$60,971</u>

Practice No. and Name	No. of Farms	E x t e n t	Fed. Cost Share	Cost- Share Per Unit	% Co. Total
A-2 Perm cover: erosn cntrl & land-use adj	4	90 Acres	\$ 786	\$ 8.73	1.29
A-4 Gypsum or sulfur	1	12 Acres	270	22.50	.45
B-9 Fencing to protect estab. forage	1	82 Rods	99	1.21	.16
C-9 Drainage	2	158 Acres	318	2.01	.52
C-12 Reorg of irrig system	23	4,526 Acres irrig	4,652	1.03	7.65
C-13 Leveling-irrigation	43	903 Acres	24,602	27.24	40.46
C-15P Lining irrig ditches	21	1,206 Rods	26,751	22.18	43.99
C-15(b) Struct in lined irrig ditches	11	123 Number	2,059	17.00	3.39
C-17 Regular subsoiling	6	255 Acres	<u>1,273</u>	4.99	<u>2.09</u>
			<u>\$60,810</u>		<u>100.00</u>



Table 38

CLARK COUNTY

	<u>Total All Farms</u>	<u>Partici- pating Farms</u>	<u>Part. Farms as Per Cent of Total</u>
Number of Farms	175	46	26
All Land in Farms	23,453	4,353	19
Cropland	9,570	2,780	29
Range and Pasture	8,774	550	6

No. of Payees	25	Net Assistance	\$32,458	Small Cost Increase	\$14	Gross Assistance	\$32,472
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Practice No. and Name	No. of Farms	E x t e n t	Fed. Cost- Share	Cost- Share Per Unit	% Co. Total
C-13 Leveling-irrigation	10	366 Acres	\$12,654	\$34.57	38.99
C-15(a) Lining irrig ditches	4	657 Rods	9,169	13.96	28.25
C-15P Lining irrig ditches	32	429 Rods	10,635	24.79	32.76
			<u>\$32,458</u>		<u>100.00</u>

Table 39

DOUGLAS COUNTY

	<u>Total All Farms</u>	<u>Partici- pating Farms</u>	<u>Part. Farms as Per Cent of Total</u>
Number of Farms	119	44	37
All Land in Farms	217,489	37,997	17
Cropland	22,057	9,703	44
Range and Pasture	192,911	27,554	14

No. of Payees	<u>44</u>	Net Assistance	<u>\$18,923</u>	Small Cost Increase	<u>\$246</u>	Gross Assistance	<u>\$19,169</u>
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Practice No. and Name	No. of Farms	E x t e n t	Fed. Cost Share	Cost- Share Per Unit	% Co. Total
A-2 Perm cover: erosn cntrl & land-use adj	5	95 Acres	\$ 710	\$ 7.47	3.75
A-4 Gypsum or sulfur	2	74 Acres	985	13.31	5.21
B-5(a) Well for livestock water	1	1 Number	439	439.00	2.32
C-8 Stream or shore cntrl	1	1 Project	431	431.00	2.28
C-10 Drainage	1	11 Acres	281	25.55	1.49
C-12 Reorg of irrig system	10	1,803 Acres irrig	4,960	2.75	26.21
C-13 Leveling-irrigation	15	273 Acres	7,038	25.78	37.19
C-17 Regular subsoiling	4	95 Acres	474	4.99	2.50
F-2(A) Control of noxious weeds	27	2,816 Acres treated	<u>3,605</u>	1.28	<u>19.05</u>
			<u>\$18,923</u>		<u>100.00</u>

Table 40

ELKO COUNTY

	<u>Total All Farms</u>	<u>Partici- pating Farms</u>	<u>Part. Farms as Per Cent of Total</u>
Number of Farms	343	71	21
All Land in Farms	2,641,929	733,881	28
Cropland	213,232	69,116	32
Range and Pasture	2,428,697	664,765	27

No. of Payees	<u>71</u>	Net Assistance	<u>\$75,645</u>	Small Cost Increase	<u>\$108</u>	Gross Assistance	<u>\$75,753</u>
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Practice No. and Name	No. of Farms	E x t e n t	Fed. Cost- Share	Cost- Share Per Unit	% Co. Total
A-2 Perm cover: erosn cntrl & land-use adj	9	764 Acres	\$4,388	\$ 5.74	5.80
A-8(a) Tree planting-erosn control	1	.2 Acre	8	40.00	.01
A-8(b) Tree planting-fencing planted area	1	20 Rods	38	1.90	.05
B-1 Improving estab cover	2	39 Acres	280	7.17	.37
B-2 Improving estab cover	21	11,529 Acres	13,936	1.21	18.42
B-3 Cntrl of competitive shrubs	26	14,357 Acres	25,099	1.75	33.18
B-5(a) Wells for livestock water	6	6 Number	1,306	217.00	1.73
B-5(b) Stockwater tanks or troughs	6	8 Number	759	95.00	1.00
B-8 Livestock pipelines	1	6 Rods	138	23.00	.18
B-9 Fencing to protect estab forage	8	5,135 Rods	6,150	1.20	8.13
C-8 Stream or shore cntrl	6	7 Projects	3,642	520.29	4.82
C-12 Reorg or irrig system	17	1,497 Acres	13,699	9.15	18.11
C-13 Leveling-irrigation	11	372 Acres	5,686	15.28	7.52
C-16 Spreaders	1	27,000 Linear feet	<u>516</u>	.02	<u>.68</u>
			<u>\$75,645</u>		<u>100.00</u>

Table 41

ESMERALDA COUNTY

	<u>Total All Farms</u>	<u>Partici- pating Farms</u>	<u>Part. Farms as Per Cent of Total</u>
Number of Farms	42	2	5
All Land in Farms	23,894	6,024	25
Cropland	3,799	929	24
Range and Pasture	20,095	5,095	25

No. of Payees	<u>2</u>	Net Assistance	<u>\$2,912</u>	Small Cost Increase	<u>-</u>	Gross Assistance	<u>\$2,912</u>
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Practice No. and Name	No. of Farms	E x t e n t	Fed. Cost- Share	Cost- Share Per Cent	% Co. Total
C-13 Leveling-irrigation	1	81 Acres	\$ 2,412	\$29.78	82.83
C-17 Regular subsoiling	1	100 Acres	<u>500</u>	5.00	<u>17.17</u>
			\$ 2,912		100.00

Table 42

EUREKA COUNTY

	<u>Total All Farms</u>	<u>Partici- pating Farms</u>	<u>Part. Farms as Per Cent of Total</u>
Number of Farms	118	5	4
All Land in Farms	326,383	4,843	1
Cropland	29,840	2,472	8
Range and Pasture	284,154	2,349	.83
No. of Payees	Net Assistance	Small Cost Increase	Gross Assistance
5	\$9,642	\$14	\$9,656

Practice No. and Name	No. of Farms	E x t e n t	Fed. Cost- Share	Cost- Share Per Unit	% Co. Total
B-2 Improving estab cover	1	40 Acres	\$ 129	\$ 3.22	1.34
C-12 Reorg of irrig system	1	160 Acres irrig	2,500	15.62	25.93
C-13 Leveling-irrigation	3	265 Acres	<u>7,013</u>	26.46	<u>72.73</u>
			<u>\$ 9,642</u>		<u>100.00</u>

Table 43

HUMBOLDT COUNTY

	<u>Total All Farms</u>	<u>Partici- pating Farms</u>	<u>Part. Farms as Per Cent of Total</u>
Number of Farms	216	46	21
All Land in Farms	859,686	242,870	28
Cropland	133,745	38,743	29
Range and Pasture	725,941	204,127	28

No. of Payees	<u>46</u>	Net Assistance	<u>\$45,589</u>	Small Cost Increase	<u>\$84</u>	Gross Assistance	<u>\$45,673</u>
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Practice No. and Name	No. of Farms	E x t e n t	Fed. Cost- Share	Cost- Share Per Unit	% Co. Total
A-2 Perm cover: erosn cntrl & land-use adj	10	682 Acres	\$ 3,747	\$ 5.49	8.22
A-4 Gypsum or sulfur	1	10 Acres	202	20.20	.44
B-2 Improving estab cover	8	1,859 Acres	4,522	2.43	9.92
B-3 Control of competitive shrubs	11	2,617 Acres	5,197	1.99	11.40
B-9 Fencing to protect estab forage	6	1,645 Rods	1,952	1.19	4.28
C-12 Reorg of irrig system	22	14,809 Acres irrig	16,807	1.13	36.87
C-13 Leveling-irrigation	10	535 Acres	10,698	20.00	23.47
C-17 Regular subsoiling	5	468 Acres	2,340	5.00	5.13
F-2(A) Control of noxious weeds	1	7 Acres	<u>124</u>	17.71	<u>.27</u>
			<u>\$45,589</u>		<u>100.00</u>



Table 44

LANDER COUNTY

	<u>Total All Farms</u>	<u>Partici- pating Farms</u>	<u>Part. Farms as Per Cent of Total</u>
Number of Farms	107	3	3
All Land in Farms	345,663	183,808	53
Cropland	29,047	7,948	27
Range and Pasture	313,693	174,753	56

No. of Payees	<u>3</u>	Net Assistance	<u>\$3,733</u>	Small Cost Increase	<u>-</u>	Gross Assistance	<u>\$3,733</u>
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Practice No. and Name	No. of Farms	E x t e n t	Fed. Cost- Share	Cost- Share Per Unit	% Co. Total
B-3 Cntrl of competitive shrubs	1	405 Acres	\$ 834	\$ 2.06	22.34
B-9 Fencing to protect estab forage	1	149 Rods	179	1.20	4.80
C-12 Reorg of irrig system	1	130 Acre irrig	220	1.69	5.89
C-13 Leveling-irrigation	1	152 Acres	<u>2,500</u>	16.45	<u>66.97</u>
			<u>\$ 3,733</u>		<u>100.00</u>

Table 45

LINCOLN COUNTY

	<u>Total All Farms</u>	<u>Partici- pating Farms</u>	<u>Part. Farms as Per Cent of Total</u>
Number of Farms	158	32	20
All Land in Farms	52,112	9,111	17
Cropland	10,831	3,068	28
Range and Pasture	41,091	6,011	15

No. of	Net	Small Cost	Gross
Payees	Assistance	Increase	Assistance
23	\$36,108	-	\$36,108

Practice No. and Name	No. of Farms	E x t e n t	Fed. Cost- Share	Cost- Share Per Unit	% Co. Total
B-9 Fencing to protect estab forage	1	284 Rods	\$ 341	\$ 1.20	.95
C-8 Stream or shore cntrl	1	1 Project	1,000	1000.00	2.77
C-13 Leveling-irrigation	3	38 Acres	1,395	36.71	3.86
C-15P Lining irrig ditches	30	2,550 Rods	30,382	11.91	84.14
C-15P Struct in lined irrig ditches	28	422 Number	<u>2,990</u>	7.00	<u>8.28</u>
			<u>\$36,108</u>		<u>100.00</u>

Table 46

LYON COUNTY

	<u>Total All Farms</u>	<u>Partici- pating Farms</u>	<u>Part. Farms as Per Cent of Total</u>
Number of Farms	398	106	27
All Land in Farms	164,404	74,238	45
Cropland	50,754	22,902	45
Range and Pasture	104,300	48,306	46

No. of Payees	106	Net Assistance	\$65,016	Small Cost Increase	\$393	Gross Assistance	\$65,409
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Practice No. and Name	No. of Farms	E x t e n t	Fed. Cost- Share	Cost- Share Per Unit	% Co. Total
A-4 Gypsum or sulfur	3	176 Acres	\$ 2,267	\$ 12.88	3.49
B-7 Livestock reservoirs	1	1 Number	300	300.00	.46
B-9 Fencing to protect estab forage	2	409 Rods	491	1.20	.75
C-8 Stream or shore cntrl	6	6 Projects	5,524	920.67	8.50
C-9 Drainage	3	106 Acres	68	.64	.10
C-12 Reorg of irrig system	61	24,606 Acres irrig	10,887	.44	16.75
C-12P Reorg of irrig system	20	3,686 Acres irrig	905	.25	1.39
C-13 Leveling-irrigation	58	1,548 Acres	39,986	25.83	61.50
C-14 Irrigation reservoirs	1	1 Number	246	246.00	.38
C-15P Lining irrig ditches	5	53 Rods	2,873	54.21	4.42
C-15(b) Struct in lined irrig ditches	1	12 Numbers	30	2.00	.05
C-17 Regular subsoiling	7	288 Acres	1,439	5.00	2.21
			<u>\$65,016</u>		<u>100.00</u>

Table 47

MINERAL COUNTY

	<u>Total All Farms</u>	<u>Partici- pating Farms</u>	<u>Part. Farms as Per Cent of Total</u>
Number of Farms	93	20	22
All Land in Farms	319,000	806	.3
Cropland	1,819	607	33
Range and Pasture	316,746	81	.03

No. of Payees	<u>20</u>	Net Assistance	<u>\$2,947</u>	Small Cost Increase	<u>\$68</u>	Gross Assistance	<u>\$3,015</u>
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Practice No. and Name	No. of Farms		Fed. Cost- Share	Cost- Share Per Unit	% Co. Total
A-2 Perm cover: erosn cntrl & land-use adj	1	1 Acre	\$ 45	\$45.00	1.53
C-8P Stream or shore cntrl	17	1 Project	547	547.00	18.56
C-12 Reorg of irrig system	5	127 Acres irrig	669	5.27	22.70
C-12P Reorg of irrig system	17	349 Acres irrig	662	1.90	22.46
C-13 Leveling-irrigation	5	61 Acres	<u>1,024</u>	16.79	<u>34.75</u>
			<u>\$2,947</u>		<u>100.00</u>

Table 48

NYE COUNTY

	<u>Total All Farms</u>	<u>Partici- pating Farms</u>	<u>Part. Farms as Per Cent of Total</u>
Number of Farms	170	10	6
All Land in Farms	126,769	21,646	17
Cropland	32,616	5,722	18
Range and Pasture	94,153	15,924	17

No. of	Net	Small Cost	Gross
Payees <u>10</u>	Assistance <u>\$16,545</u>	Increase <u>\$14</u>	Assistance <u>\$16,559</u>

Practice No. and Name	No. of Farms	E x t e n t	Fed. Cost- Share	Cost- Share Per Unit	% Co. Total
C-12 Reorg of irrig system	7	5,361 Acres irrig	\$13,201	\$ 2.46	79.78
C-13 Leveling-irrigation	1	6 Acres	92	15.33	.56
C-17 Regular subsoiling	2	650 Acres	<u>3,252</u>	5.00	<u>19.66</u>
			<u>\$16,545</u>		<u>100.00</u>

Table 49

ORMSBY COUNTY

	<u>Total All Farms</u>	<u>Partici- pating Farms</u>	<u>Part. Farms as Per Cent of Total</u>
Number of Farms	18	1	6
All Land in Farms	18,060	880	5
Cropland	1,821	520	29
Range and Pasture	16,053	345	2

No. of Payees	<u>1</u>	Net Assistance	<u>\$1,328</u>	Small Cost Increase	<u>-</u>	Gross Assistance	<u>\$1,328</u>
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Practice No. and Name	No. of Farms	E x t e n t	Fed. Cost- Share	Cost- Share Per Unit	% Co. Total
A-4    Gypsum or sulfur	1	19 Acres	\$ 357	\$18.79	26.88
C-12   Reorg of irrig system	1	400 Acres irrig	101	.25	7.61
C-13   Leveling-irrigation	1	37 Acres	<u>870</u>	23.51	<u>65.51</u>
			<u>\$1,328</u>		<u>100.00</u>



Table 50

PERSHING COUNTY

	<u>Total All Farms</u>	<u>Partici- pating Farms</u>	<u>Part. Farms as Per Cent of Total</u>
Number of Farms	124	37	30
All Land in Farms	585,181	90,752	16
Cropland	40,286	20,755	52
Range and Pasture	539,659	67,806	13

No. of Payees	<u>40</u>	Net Assistance	<u>\$38,476</u>	Small Cost Increase	<u>\$67</u>	Gross Assistance	<u>\$38,543</u>
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Practice No. and Name	No. of Farms	E x t e n t	Fed. Cost- Share	Cost- Share Per Unit	% Co. Total
A-2 Perm cover: erosn cntrl & land-use adj	5	127 Acres	\$1,388	\$10.93	3.61
A-4 Gypsum or sulfur	1	43 Acres	1,181	27.47	3.07
B-3 Control of competitive shrubs	1	244 Acres	1,222	5.01	3.18
B-9 Fencing to protect estab forage	2	177 Rods	212	1.20	.55
C-12 Reorg of irrig system	23	9,095 Acres irrig	12,717	1.40	33.05
C-13 Leveling-irrigation	25	1,015 Acres	20,429	20.13	53.09
C-15(b) Struct in lining irrig ditches	1	1 Number	635	635.00	1.65
F-2(A) Control of noxious weeds	3	22 Acres treated	<u>692</u>	31.45	<u>1.80</u>
			<u>\$38,476</u>		<u>100.00</u>

Table 51

STOREY COUNTY

	<u>Total All Farms</u>	<u>Partici- pating Farms</u>	<u>Part. Farms as Per Cent of Total</u>
Number of Farms	12	2	17
All Land in Farms	6,057	424	7
Cropland	575	153	27
Range and Pasture	5,423	262	5

No. of Payees	<u>2</u>	Net Assistance	<u>\$860</u>	Small Cost Increase	<u>-</u>	Gross Assistance	<u>\$860</u>
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Practice No. and Name	No. of Farms	E x t e n t	Fed Cost- Share	Cost- Share Per Unit	% Co. Total
C-12 Reorg of irrig system	2	153 Acres irrig	\$ 504	\$ 3.29	58.60
C-13 Leveling-irrigation	1	10 Acres	<u>356</u>	35.60	<u>41.40</u>
			<u>\$ 860</u>		<u>100.00</u>

Table 52

WASHOE COUNTY

	<u>Total All Farms</u>	<u>Partici- pating Farms</u>	<u>Part. Farms as Per Cent of Total</u>
Number of Farms	358	37	10
All Land in Farms	812,464	76,664	9
Cropland	33,877	5,815	17
Range and Pasture	627,153	70,196	11

No. of Payees	<u>37</u>	Net Assistance	<u>\$27,240</u>	Small Cost Increase	<u>\$50</u>	Gross Assistance	<u>\$27,290</u>
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Practice No. and Name	No. of Farms	E x t e n t	Fed. Cost Share	Cost- Share Per Unit	% Co. Total
A-2 Perm cover: eroded cntrl & land-use adj	4	179 Acres	\$1,216	\$ 6.79	4.46
A-7 Tree planting-forestry	1	5 Acres	240	48.00	.88
A-8(b) Tree planting-fencing planted area	1	320 Rods	608	1.90	2.23
B-3 Cntrl of competitive shrubs	2	500 Acres	1,850	3.70	6.79
B-5(a) Wells for livestock reservoirs	1	1 Number	720	720.00	2.64
B-5(b) Stockwater tanks or troughs	1	1 Number	1,094	1,094.00	4.02
B-7 Livestock reservoirs	1	3 Number	842	281.00	3.09
B-9 Fencing to protect estab forage	2	419 Rods	503	1.20	1.85
C-8 Stream or shore cntrl	1	1 Project	267	267.00	.98
C-9 Drainage	1	27 Acres	312	11.56	1.15
C-9P Drainage	13	895 Acres	3,396	3.79	12.47
C-12 Reorg of irrig system	14	1,347 Acres irrig	9,705	7.20	35.63
C-12P Reorg of irrig system	13	22 Acres irrig	63	2.86	.23
C-13 Leveling-irrigation	4	175 Acres	4,208	24.05	15.45
C-14 Irrigation reservoirs	1	1 Number	251	251.00	.92
C-15(a) Lining irrig ditches	1	44 Number	200	5.00	.73
C-15(b) Struct in lined irrig ditches	1	127 Rods	<u>1,765</u>	13.90	<u>6.48</u>
			<u>\$27,240</u>		<u>100.00</u>

Table 53

WHITE PINE COUNTY

	<u>Total All Farms</u>	<u>Partici- pating Farms</u>	<u>Part. Farms as Per Cent of Total</u>
Number of Farms	135	22	16
All Land in Farms	171,170	27,551	16
Cropland	36,517	6,629	18
Range and Pasture	133,796	20,798	16

No. of Payees	<u>22</u>	Net Assistance	<u>\$11,048</u>	Small Cost Increase	<u>\$134</u>	Gross Assistance	<u>\$11,182</u>
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Practice No. and Name	No. of Farms	E x t e n t	Fed. Cost- Share	Cost- Share Per Unit	% Co. Total
A-2 Perm cover: erosn cntrl & land-use adj	1	12 Acres	\$ 55	\$ 4.58	.50
B-2 Improving estab cover	2	214 Acres	277	1.29	2.51
B-3 Control of competitive shrubs	2	214 Acres	828	3.87	7.49
C-9 Drainage	1	222 Acres	1,677	7.55	15.18
C-12 Reorg of irrig system	13	1,157 Acres irrig	2,324	2.01	21.03
C-13 Leveling-irrigation	7	118 Acres	3,387	28.70	30.66
C-15(a) Lining irrig ditches	1	141 Rods	2,450	17.38	22.18
C-15(b) Struct in lined irrig ditches	1	1 Number	<u>50</u>	50.00	<u>.45</u>
			<u>\$11,048</u>		<u>100.00</u>

## SECTION II

### 1964 EMERGENCY CONSERVATION PROGRAM

The regular agricultural conservation program is supplemented by Public Law 85 - 58, an appropriation act, which provides additional funds for areas suffering from natural disasters. These funds enable the Secretary of Agriculture to make payments to farmers who perform emergency conservation practices on farmland damaged by flood, fire, earthquake or drouth.

Emergency conservation practices were authorized in two Nevada counties in 1964. Thousands of acres of rangeland which was destroyed by fire in Elko and Eureka Counties was reseeded and fences constructed in order to restore the land to production.

Ranchers receiving cost-shares under the 1964 emergency conservation program were able to begin work immediately to restore their lands productivity. Wind and water erosion was kept to a minimum during the short period the land was without vegetation.

The following page indicates the amount of work accomplished under the 1964 emergency conservation program.

Table 54

RESTORATION OF VEGETATIVE COVER ON  
RANGELAND DAMAGED BY FIRE  
F-4(B-2)

COUNTY	EXTENT (ACRES)	AMOUNT OF COST-SHARE (DOLLARS)	NUMBER OF FARMS
Elko	7,389	12,470	4
Eureka	9,405	4,462	2
TOTAL	16,794	16,932	6

Table 55

RESTORATION OF PERMANENT FENCE  
DAMAGED BY FIRE  
F-4(B-9)

COUNTY	EXTENT (RODS)	AMOUNT OF COST-SHARE (DOLLARS)	NUMBER OF FARMS
Elko	1,060	1,955	2
Total	1,060	1,955	2



### SECTION III

#### 1964 WOOL INCENTIVE PAYMENT PROGRAM

The National Wool Act of 1954, as amended provides for the incentive payment program on shorn wool and unshorn lambs. Under this Act wool is recognized as an essential and strategic commodity which is not produced in sufficient quantity in the United States. In order to promote the general economic welfare of this country, the policy of Congress is to encourage an annual domestic production of around 300 million pounds of shorn wool. Production is about 240 million pounds annually at the present time. As is true nationally, Nevada wool production has gradually dropped over the past few years.

The rate of payment for wool is the percentage required to bring the national average market price received by all producers up to the announced support level of 62 cents per pound. The national average market price for wool in 1964 was 53.2 cents per pound on a grease basis.

The summaries on the following pages show the 1964 calendar year incentive payments made to producers of shorn wool, unshorn lamb sales and the net proceeds after promotion fund deductions.

Table 56  
 SHORN WOOL PROGRAM FOR 1964 MARKETING YEAR  
 (SALES FROM JANUARY 1, 1964 TO DECEMBER 31, 1964)

COUNTY	PRODUCERS NO.	WEIGHT OF WOOL SOLD POUNDS	HEAD SHORN NO.	NET PROCEEDS DOLLARS	INCENTIVE PAYMENT EARNED DOLLARS	PROMOTION DEDUCTION DOLLARS	NET PAYMENT DOLLARS
CHURCHILL	22	49,763	4,562	23,549.71	3,885.70	497.63	3,388.07
CLARK	1	171	21	92.34	15.24	1.71	13.53
DOUGLAS	26	152,157	14,247	71,658.55	11,823.66	1,521.57	10,302.09
ELKO	46	632,718	61,461	344,841.38	56,898.78	6,327.18	50,571.60
ESMERALDA	1	421	50	200.16	33.03	4.21	28.82
EUREKA	4	63,952	6,475	32,472.39	5,357.94	639.52	4,718.42
HUMBOLDT	10	29,157	3,075	14,076.79	1,931.44	235.69	1,695.75
LANDER	7	103,966	10,430	53,785.22	8,874.56	1,039.66	7,834.90
LINCOLN	5	1,340	88	543.99	89.76	13.40	76.36
LYON	36	138,759	13,228	63,630.25	10,482.02	1,385.16	9,096.86
MINERAL	-	-	-	-	-	-	-
NYE	7	5,254	398	2,496.92	411.99	52.54	359.45
ORMSBY	3	66,573	5,998	30,622.37	5,052.68	665.73	4,386.95
PERSHING	3	32,127	3,117	15,489.51	2,555.76	321.27	2,234.49
STOREY	-	-	-	-	-	-	-
WASHOE	13	123,434	14,460	70,258.07	11,592.59	1,334.34	10,258.25
WHITE PINE	29	583,294	52,923	300,338.09	49,555.77	5,832.94	43,722.83
TOTAL	213	1,993,086	190,533	1,024,055.74	168,560.92	19,872.55	148,688.37

Less unshorn  
 lambs purchased  
 - 116,640  
1,876,446

Table 57

UNSHORN LAMB PROGRAM FOR 1964 MARKETING YEAR  
(SALES FROM JANUARY 1, 1964 TO DECEMBER 31, 1964)

COUNTY	PRODUCERS NO.	WEIGHT OF LAMBS SOLD POUNDS	LAMBS SOLD NO.	INCENTIVE PAYMENT EARNED DOLLARS	PROMOTION DEDUCTION DOLLARS	NET PAYMENT DOLLARS
CHURCHILL	13	1,038,987	9,787	1,192.64	170.35	1,022.29
CLARK	-	-	-	-	-	-
DOUGLAS	20	494,775	6,112	1,731.67	247.37	1,484.30
ELKO	26	4,120,907	98,359	14,423.13	2,060.42	12,362.71
ESMERALDA	-	-	-	-	-	-
EUREKA	3	260,297	3,430	911.04	130.14	780.90
HUMBOLDT	3	189,545	2,446	663.41	94.77	568.64
LANDER	2	703,260	8,635	2,461.41	351.63	2,109.78
LINCOLN	-	-	-	-	-	-
LYON	32	772,200	7,566	2,697.41	385.30	2,312.11
MINERAL	-	-	-	-	-	-
NYE	1	17,560	203	61.46	8.78	52.68
ORMSBY	3	316,426	4,096	1,107.49	158.21	949.28
PERSHING	1	174,440	1,957	610.54	87.22	523.32
STOREY	-	-	-	-	-	-
WASHOE	4	458,230	5,512	1,603.80	229.12	1,374.68
WHITE PINE	17	1,909,050	24,936	6,651.86	950.24	5,701.62
TOTAL	125	10,455,677	173,039	34,115.86	4,873.55	29,242.31

Less weight of  
lambs purchased

- 708,235  
9,747,442

# SECTION IV

## 1964 PRICE SUPPORT AND FARM STORAGE FACILITY LOANS

Table 58

### PRICE SUPPORT

Any operation of the USDA designed to stabilize the price and production of a farm commodity is termed a price support program. The main purpose of a price support program is to stabilize production, protect farm income, and reduce surplus. Price support may be obtained in various ways depending on the commodity, loans and purchase agreements in the case of feed grains, wheat and cotton or direct payments for wool.

Nevada has very little activity in price support programs other than wool. Three farmers in three counties farm stored wheat under the 1964 program.

COUNTY	AMT. OF BUSHELS	AMT. OF LOAN	AMT. OF LOAN UNPAID
Eureka	1,800	\$ 2,248.80	0
Humboldt	20,327	24,012.38	0
Pershing	855	1,060.20	0
TOTAL	22,982	\$27,321.38	0

### FARM STORAGE FACILITY LOANS

To encourage good farm storage facilities, Commodity Credit Corporation makes loans to farmers through county ASCS offices. Such loans may be for 90% of the cost of the erected structures and are repayable in four annual installments over a 5-year period. These loans carry 4% interest per annum on the unpaid balance. These structures must be located on the farm or land on which the borrower has control for the time of the loan. Farm storage facility loans are secured by a chattel mortgage or deeds of trust. Nevada farmers have used these loans extensively in the past. Recently there has been a decline in Nevada's farm storage facility loan program. Eligibility requirements are a little more restrictive; however, the availability of good storage on the farm is a valuable asset to the grower in the orderly marketing of his grain.

In 1964 there were no farm storage facility loans disbursed in Nevada. There were three loans which were made in prior years still outstanding during 1964.

# SECTION V

Table 59

## 1964 COTTON ALLOTMENTS AND MARKETING QUOTAS

Each year cotton producers vote in a referendum to determine if quotas will be in effect for the proceeding year. The results of the referendum held on December 10, 1963 showed 16 producers voting out of a possible 21. Fifteen producers voted in favor of marketing quotas and one voted against. The Nevada vote was 93.75% in favor of marketing quotas for 1964.

All allotment crops planted must be measured by ASCS personnel. Each producer is notified of his exact acreage after measurement. Any excess cotton acreage must be eliminated within 15 days after notification. In 1964 there was no excess cotton acreage or no marketing quota penalties in Nevada.

COUNTY	COUNTY ALLOTMENTS	NUMBER OF ALLOTMENTS
Clark	101	4
Nye	3,421	15
TOTAL	3,522	19



Table 60

DOMESTIC ALLOTMENT PROGRAM

When the Agricultural Act of 1964 was enacted it provided a new cotton program for 1964 and 1965. The new legislation provided that a domestic allotment be determined for each cotton farm. The domestic allotment for each farm is equal to the farms percentage of the national domestic allotment. The national domestic allotment represents the acreage of cotton which at normal yields could be expected to produce the cotton needed for domestic consumption in the United States in one year. The acreage determined in this manner is then converted to a percentage of the national allotment. Sixty-seven percent was determined to be the national allotment factor and was used in computing farm domestic allotments. The Agricultural Act of 1964 provided that domestic allotments could not be less than the smaller of 15 acres or the regular farm allotment.

County committees established a normal yield per acre for each cotton farm. These normal yields were then used to compute the additional price support payments for producers who grew cotton within their farm domestic allotments. For 1964 the additional price support payment rate was set at 3.5 cents per pound. This rate (3.5 cents) per pound multiplied by the farm normal yield per acre provided the additional price support payment per acre. The normal yield times the number of acres planted for harvest equaled the number of pounds of cotton on which the additional price support payment for the 1964 domestic cotton was made. Payments were made only to producers on farms that planted cotton acreage within the farm domestic allotment and to producers on farms with a regular cotton allotment of more than 15 acres if their feed grain base was not exceeded.

COUNTY	ACREAGE ON WHICH PAYMENT EARNED	PAYMENT EARNED	AVE. PMT. PER ACRE
Clark	39.1	\$ 1,212.07	31.00
Nye	538.7	9,540.38	17.71
TOTAL	577.8	\$10,752.45	18.61



Table 61

EXPORT MARKET ACREAGE PROGRAM

Under the Agricultural Act of 1964 an export market acreage program for upland cotton was provided. This program allowed producers who wished to produce some cotton for sale at the world price the opportunity to do so. Producers who applied to the ASCS county office not later than June 1, 1964 could plant their entire regular allotment for 1964 plus 5 percent more to sell at world price. The producer had to furnish a bond to assure that an amount of cotton equal to his farms actual yield per acre multiplied by the export market acreage would be exported without the benefit of government subsidies. If the export cotton grown was not exported as agreed, the government assessed the producer damages of 20.4 cents per pound.

COUNTY	NO. EXPORT FARMS	EFFECTIVE ALLOTMENT	EXPORT ACREAGE PLANTED	BALES EXPORTED
Clark	0	0	0	0
Nye	3	276.4	12	23
TOTAL	3	276.4	12	23

# SECTION VI

Table 62

## 1964 SUGARBEET PROGRAM

This report covers the production of 1964 sugarbeets in Nevada. It consists of tables containing statistical information for three counties having sugarbeet acreage, the production obtained and the payments made to producers under the Sugar Act of 1948 as amended.

As in the prior three years, proportionate shares were not in effect in 1964. The number of sugarbeet acres planted increased 100% over the previous year. The number of sugarbeet producers increased about 200% over 1963. Nevada farmers are finding sugarbeets to be a valuable cash crop.

All sugarbeets produced in Nevada were grown under contract to the Spreckels Sugar Company and processed at their Manteca, California plant.

COUNTY	NUMBER APPLICATIONS	NUMBER PAYEES	PLANTED ACRES	HARVESTED ACRES
Churchill	12	12	541.0	541.0
Pershing	7	10	1,626.9	1,590.7
Washoe	1	1	1,000.0	693.0
TOTAL	20	23	3,167.9	2,824.7

Table 63

BEETS MARKETING, RECOVERABLE SUGAR  
BONA FIDE ABANDONMENT

COUNTY	BEETS MARKETED (TONS)	RECOVERABLE SUGAR (CWT.)	BONA FIDE ABANDONED ACREAGE FOR PAYMENT
Churchill	7,307.3	22,251.0	-
Pershing	23,627.7	67,844.5	36.2
Washoe	7,096.3	20,309.6	307.0
TOTAL	38,031.3	110,405.1	343.2

Table 64

TOTAL SUGAR FOR PAYMENT  
AND PAYMENTS

COUNTY	TOTAL SUGAR FOR PAYMENT (CWT.)	NET PAYMENT (DOLLARS)	CHILD LABOR (DOLLARS)
Churchill	22,251.0	17,800.80	0
Pershing	68,350.7	51,216.11	0
Washoe	23,308.0	17,034.80	0
TOTAL	113,909.7	86,051.71	0

## SECTION VII

### 1964 FEED GRAIN PROGRAM

Public Law 88-26 authorized a feed grain program for 1964 and 1965. As in previous years, the 1964 feed grain program was voluntary in nature. Each feed grain producer had the right to participate in the program or raise all the feed grain he desired.

Farmers who produced feed grains in the base period (1959-60) had a base computed for their farm in 1964. In order to take part in the feed grain program a farmer had to agree to take out of production at least 20% of his total feed grain base. A maximum of 25 acres or 50% of the base acreage (whichever was larger) could be taken out of production for the diversion payment. All acreage diverted from the production of feed grain crops (barley, corn and grain sorghum) had to be devoted to a conserving use.

Two diversion payment rates were computed for each farm for each feed grain commodity (barley, corn and grain sorghum). The minimum payment rate was based on the farm normal yield multiplied by 20% of the county price support rate. The maximum payment rate was based on the farm normal yield multiplied by 50% of the county price support rate. If less than 40% of the total base was diverted, the lower rate applied to the acreage equal to 20% of the feed grain base and the balance was paid at the high rate. If the acreage diverted was equal to or greater than 40% of the base, the high diversion payment rate was paid on the entire acreage diverted.

Program participants were also eligible for price support payments in addition to diversion payments. These price support payments were made on the basis of the farm normal yield for each commodity multiplied by the number of acres planted. Payment was made at the rate of 15¢ per bushel for corn, 12¢ per bushel for barley and 23¢ per cwt. for grain sorghum. All payments in Nevada were made by sight draft as requested by producers. Advance payments equal to 50% of the diversion payment were obtained by some producers upon signing the intention to participate in the program.

In addition to the above cited benefits derived by program participants, price support loans and purchase agreements were available to cooperators for their entire production of corn, barley and grain sorghum. Producers who did not participate in the feed grain program were not eligible for price support.

Table 65

DIVERSION DATA

COUNTY	PARTICI- PATING FARMS	BARLEY DIVERTED ACREAGE	CORN DIVERTED ACREAGE	GRAIN SORGHUM DIVERTED ACREAGE	DIVERSION PAYMENTS
Churchill	17	231	218	-	14,020
Elko	3	52	-	-	709
Esmeralda	1	25	-	-	424
Humboldt	19	354	233	75	13,344
Lyon	8	211	55	-	6,368
Pershing	1	12	9	-	523
Washoe	2	65	-	-	1,355
White Pine	2	145	59	-	4,443
TOTAL	53	1,095	574	75	41,186

Table 66

PRICE SUPPORT PAYMENT DATA

COUNTY	NO. OF FARMS PARTICIPATING <u>1/</u>		NO. OF ACRES <u>1/</u>		AMT. OF PAYMENT <u>1/</u>		
	CORN	BARLEY	CORN	BARLEY	CORN	BARLEY	TOTAL
Churchill	2	2	72	49	652	259	911
Humboldt	2	6	58	131	436	453	889
White Pine	1	1	59	89	434	372	806
TOTAL	5	9	189	269	1,522	1,084	2,606

1/ No price support payments made on grain sorghum.



## SECTION VIII

### 1964 VOLUNTARY WHEAT PROGRAM

The 1964 Voluntary Wheat Program did not go into effect until April of 1964. The program provided for diversion payments and marketing certificates for participating producers. Producers were allowed to signup until May 22, 1964. Participants in the program agreed to put into conserving use all land diverted from wheat production. 11.11% of the farm wheat allotment was the minimum acreage that could be diverted from wheat production under the program. 11.11% represented the reduction from the former 55 million acre national allotment to the 49.5 million acre national allotment established for 1964. In addition to the 11.11% national reduction, producers could elect to divert up to 20% of their farm allotment. Small wheat farmers were allowed to divert a total of 15 acres. The diversion payment rate per acre was equal to 20% of the county price support loan rate multiplied by the farm normal yield.

The marketing percentage (90% in 1964) multiplied by the farm normal yield on the wheat allotment was the basis for determining the total bushels of wheat a participating farm would receive. Payment for the two kinds of certificates (1) domestic certificates and (2) export certificates were available to participating farmers. Domestic certificates had a face value of 70¢ per bushel while export certificates were valued at 25¢ per bushel. Under the 1964 program one half of each farms marketing allocation (45% of the farm allotments normal production) represented wheat for domestic food. This portion of the marketing allocation for the farm was termed the "domestic marketing allocation" and domestic marketing certificates were to be issued for it. The other half of the farms marketing allocation (45% of the farm allotments normal production) represented the wheat used for export. Export marketing certificates were to be issued for this wheat. In Nevada no wheat marketing certificates were issued. All payments were made to producers by sight draft.

Advance payments were not made under the 1964 wheat program. All producers who planted within their 1964 farm allotment were eligible for price support loan or purchase agreements.



Table 67

COUNTY	PARTICIPATION			DIVERTED ACREAGE DATA		
	NO. WHEAT FARMS	NO. FARMS PARTICI- PATING	ALLOTMENT ON FARMS PARTICI- PATING	NO. DIVERTED FARMS	DIVERTED ACREAGE	DIVERSION PAYMENT EARNED
Churchill	101	18	734	18	100	872
Clark	10	-	-	-	-	-
Douglas	26	-	-	-	-	-
Elko	40	10	513	9	105	838
Esmeralda	2	-	-	-	-	-
Eureka	19	4	1,213	4	149	733
Humboldt	65	36	3,665	36	970	8,957
Lander	9	-	-	-	-	-
Lincoln	3	-	-	-	-	-
Lyon	66	5	97	5	39	368
Mineral	4	-	-	-	-	-
Nye	33	-	-	-	-	-
Ormsby	1	-	-	-	-	-
Pershing	53	10	2,446	10	295	2,782
Washoe	18	5	353	5	110	735
White Pine	18	4	49	4	29	214
TOTAL	468	92	9,070	91	1,797	15,499

Table 68

COUNTY	FARMS EARNING CERTIFICATES			AMOUNT EARNED		
	DOMESTIC	EXPORT	TOTAL	DOMESTIC	EXPORT	TOTAL
Churchill	16	15	16	7,906	2,121	10,027
Elko	3	2	3	3,733	990	4,723
Eureka	4	4	4	7,633	2,476	10,109
Humboldt	28	26	28	41,046	9,408	50,454
Lyon	3	-	3	722	-	722
Pershing	10	8	10	28,848	9,940	38,788
Washoe	1	1	1	898	249	1,147
White Pine	1	-	1	103	-	103
TOTAL	66	56	66	90,889	25,184	116,073

## SECTION IX

## ACREAGE DETERMINATIONS

Table 69

COMPLIANCE

The measurement of all acreage under the cotton, feed grain, wheat and sugarbeet programs is a major responsibility of the Agricultural Stabilization and Conservation Service. Reporters, or part-time employees, are hired at the county level to accomplish this measurement work. Usually measurement is completed between May 15th and July 15th each year. Each participating producer is notified of his exact acreage after measurement. Any excess acreage must be eliminated within 15 days of notification. County personnel who accomplish this big job each year are to be commended for the excellent results they achieve in a relatively short period of time.

NAME OF CROP	NO. FARMS ON WHICH ACREAGE DETERMINED	NO. FARMS VISITED	NO. FARMS FOR WHICH ACREAGE ACCEPTED IN LIEU OF FARM VISIT	PERCENTAGE OF COMPLETION	ACREAGE DETERMINATION COMPLETED FOR FARMS VISITED	NO. NOTICES OF EXCESS OR DEFICIENCY MAILED
Cotton	19	19	0	100	19	10
Feed Grain	54	54	0	100	54	0
Sugarbeets	20	2 <u>1</u> /	20	100	2	0
Wheat	468 <u>3</u> /	98	170	<u>2</u> /	98	10
TOTAL	561	173	190		173	20

1/ Sugarbeet abandoned acreage.

2/ No acreage obtained for 200 farms.

3/ All farms.

AERIAL PHOTOGRAPHY

Most county offices in the State maintain aerial photographs covering cropland in the county. These photographs are to a scale of 1" = 660' and are used in making acreage determinations.

In 1964 five counties were flown to provide new up-to-date photographs for acreage determinations. Usually new aerial photographs are provided every six years to keep county offices up-to-date with field changes and provide a simple method of acreage determinations.

## SECTION X

### 1964 LIVESTOCK FEED PROGRAM

In 1964 the livestock feed program was not activated in Nevada. Severe drought conditions that existed in 1961, 1962, and 1963 eased enough in 1964 to provide ranchers enough feed for their livestock.

The livestock feed program is authorized to give assistance to livestock owners in designated emergency areas through the sale of feed grains owned by the Commodity Credit Corporation. These sales are made at the rate of 75% of support price for the grain needed to feed foundation herds. The buyer must pay the support price for grain needed to feed other eligible livestock. A livestock owner is eligible to buy grain in a designated emergency area if (1) he suffered a serious loss of feed crops (2) he does not have sufficient feed for his livestock (3) he was unable to obtain feed through normal trade channels without undue financial hardship.

Livestock producers in Nevada have found the livestock feed program to be of vital importance during emergency periods in the past. When disaster strikes the assistance available under this program is deeply appreciated.





